

Please amend the application as follows:

IN THE CLAIMS:

1. (Amended) A process for preparing compacted pigment granules, comprising the steps of:

Al (1) loading 1000-3000 kg of iron oxide powder having a grain size of not less than 0.8 microns at a temperature of 15-20 degrees C, into a mixer rotating at a speed of 1-25 rpm;

(2) spraying, while the mixer is rotating, liquid binder solution onto the cascading pigment powder, where the liquid binder solution is made by mixing 200-850 liters of water with 2.5-15 kg of polyvinyl alcohol binder powder, and where the liquid binder solution is sprayed at a rate of 40-200 liters per hour for 1-4 hours, whereby the cascading pigment powder is compacted into dense granules of approximately 0.3-1.2 mm diameter and having a moisture content of approximately 10-14%; and

(3) directing, while the mixer is rotating, heated air at a temperature of 200-600 degrees C onto the compacted pigment granules, so that the compacted pigment granules are dried at a temperature of approximately 50-100 degrees C, and continuing

this process for approximately 2-3 hours until the moisture content of the compacted pigment granules is reduced to approximately 2% or less, whereupon the compacted pigment granules are removed from the mixer.

Amended
2. (Amended) A process for preparing encapsulated pigment granules, comprising the steps of:

(1) loading 1000-3000 kg of iron oxide powder, having a grain size of not less than 0.8 ~~mm~~ microns at a temperature of 15-20 degrees C, into a mixer rotating at a speed of 1-25 rpm;

(2) rotating the mixer for approximately 0.5-2.0 hours, with the pigment powder cascading within the mixer so as to result in the formation of pigment granules of approximately 0.30-1.20 mm diameter;

(3) spraying, while the mixer is rotated, liquid encapsulation solution onto the cascading pigment granules, where the liquid encapsulation solution is made by mixing 200-850 liters of water with 2.5-15 kg of polyvinyl alcohol encapsulating powder, and where the liquid encapsulation solution is sprayed at a rate of 40-200 liters per hour, for 1-4 hours, whereby the liquid encapsulation solution encapsulates the cascading pigment granules, with the encapsulated pigment granules having a

diameter of approximately 0.30-1.2 mm diameter and a moisture content of approximately 10-14%; and

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(4) directing, while the mixer is rotating, heated air at a temperature of 200-600 degrees C onto the encapsulated pigment granules, so that the encapsulated pigment granules are dried at a temperature of approximately 50-100 degrees C, and continuing this process for approximately 2-3 hours until the moisture content of the encapsulated pigment granules is reduced to approximately 2% or less whereupon the encapsulated pigment granules are removed from the mixer.

3. (Withdrawn As Non-Elected) A process for dyeing landscaping and/or construction materials using compacted pigment granules, comprising the steps of:

(1) preparing compacted pigment granules by (i) loading 1000-3000 kg of iron oxide powder, at a temperature of 15-20 degrees C, into a mixer rotating at a speed of 1-25 rpm; (ii) spraying, while the mixer is rotating, liquid binder solution onto the cascading pigment powder, where the liquid binder solution is made by mixing 200-850 liters of water with 2.5-15 kg of polyvinyl alcohol binder powder, and where the liquid binder solution is sprayed at a rate of 40-200 liters per

hour, for 1-4 hours, whereby the cascading pigment powder is compacted into dense granules of approximately 0.30-1.20 mm diameter and having a moisture content of approximately 10-14%; and (iii) directing, while the mixer is rotating, heated air at a temperature of 200-600 degrees C onto the compacted pigment granules, so that the compacted pigment granules are dried at a temperature of approximately 50-100 degrees C, and continuing this process for approximately 2-3 hours until the moisture content of the compacted pigment granules is reduced to approximately 2% or less, whereupon the compacted pigment granules are removed from the mixer; and

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(2) mixing the compacted pigment granules with the landscaping and/or construction materials in an environment where water is present, whereby the compacted pigment granules will break down and release their pigment powder for mixing with the landscaping and/or construction materials, whereby to dye the same.

4. (Withdrawn As Non-Elected) A process for dyeing landscaping and/or construction materials using encapsulated pigment granules, comprising the steps of:

(1) preparing encapsulated pigment granules by (i) loading 1000-3000 kg of iron oxide powder having a grain size of not less than 0.8 microns, at a temperature of 15-20 degrees C, into a mixer rotating at a speed of 1-25 rpm; (ii) rotating the mixer for approximately 0.5-2 hours, with the pigment powder cascading within the mixer so as to result in the formation of pigment granules of approximately 0.80-1.20 mm diameter; (iii) spraying, while the mixer is rotated, liquid encapsulation solution onto the cascading pigment granules, where the liquid encapsulation solution is made by mixing 200-850 liters of water with 2.5-15 kg of polyvinyl alcohol encapsulation powder, and where the liquid encapsulation solution is sprayed at a rate of 40-200 liters per hour, for 1-4 hours, whereby the liquid encapsulation solution encapsulated the cascading pigment granules, with the encapsulated pigment granules having a diameter of approximately 0.8-1.2 mm diameter and a moisture content of approximately 10-14%; and (iv) directing, while the mixer is rotating, heated air at a temperature of 200-600 degrees C onto the encapsulated pigment granules, so that the encapsulated pigment granules are dried at a temperature of approximately 50-100 degrees C, and continuing this process for approximately 2-3 hours until the moisture content of the encapsulated pigment granules is reduced